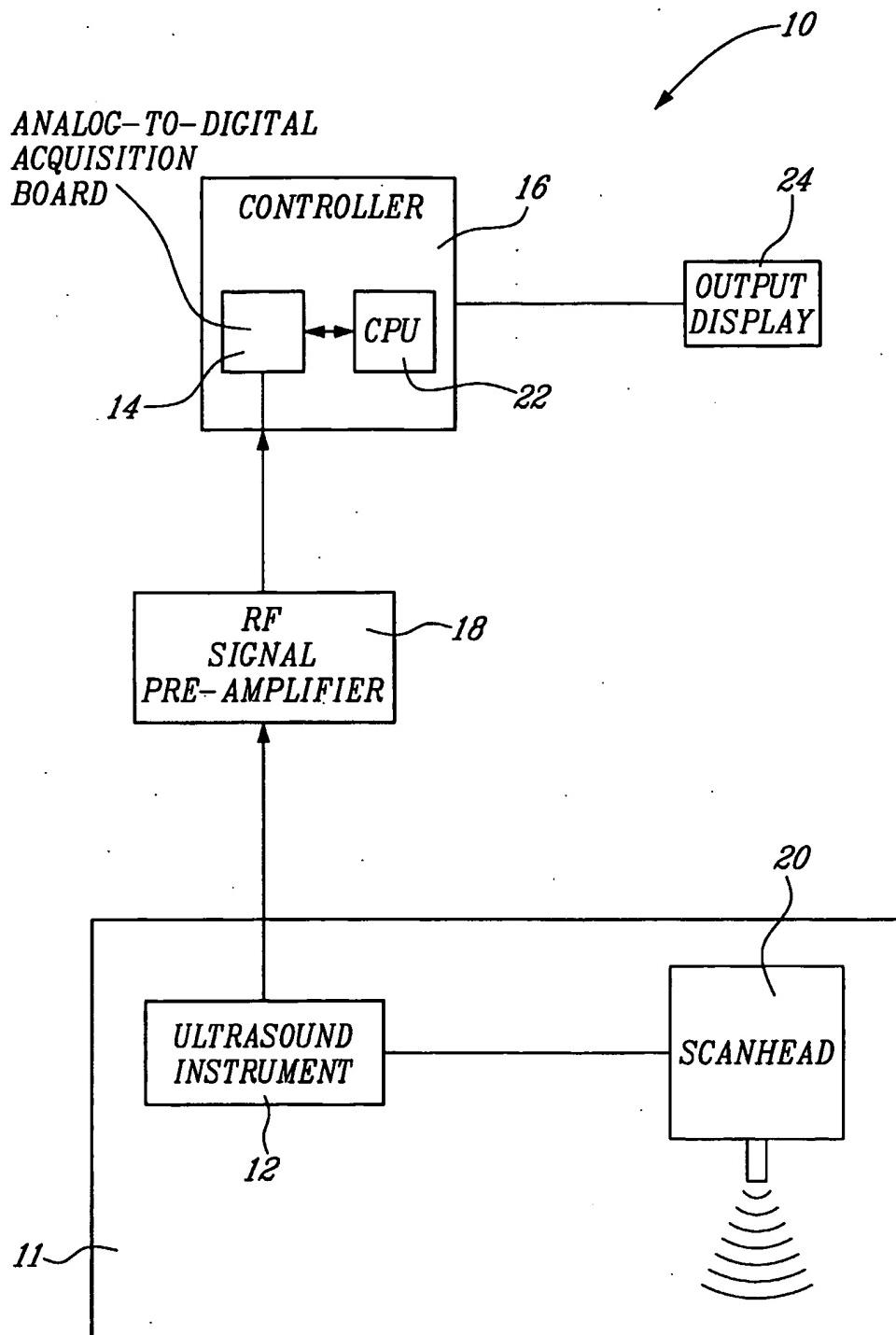
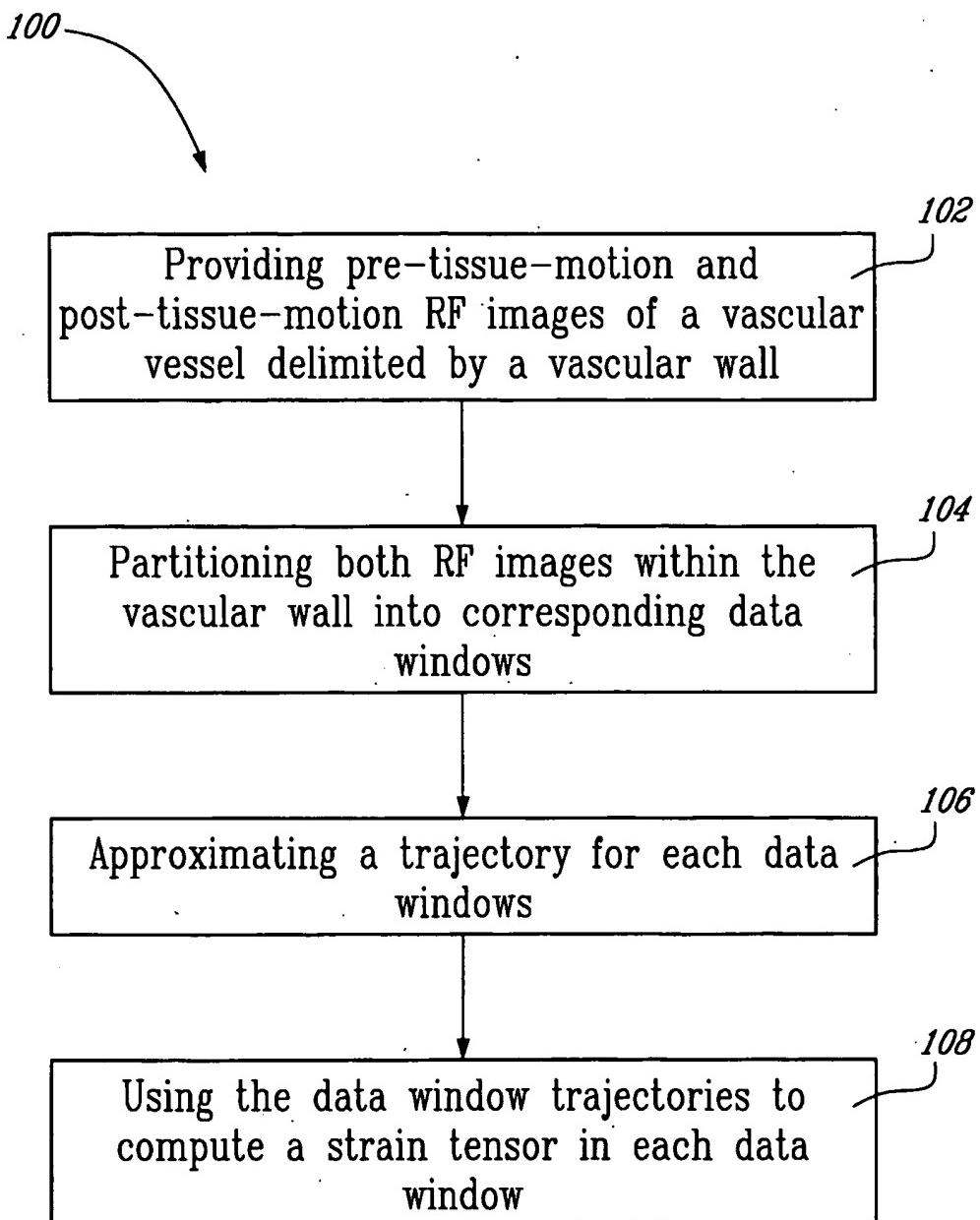


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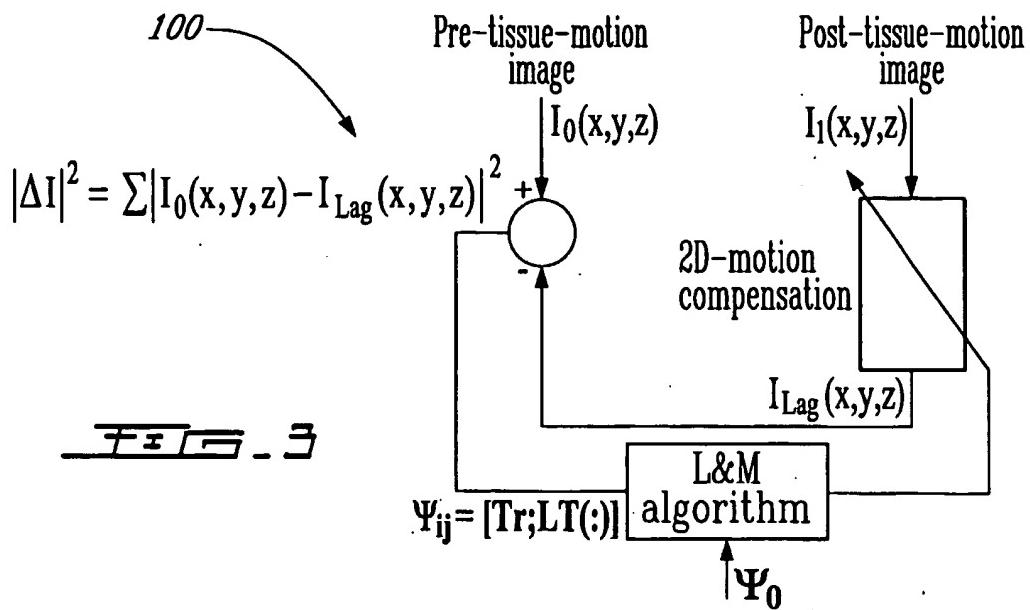
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~~FIG - 1~~

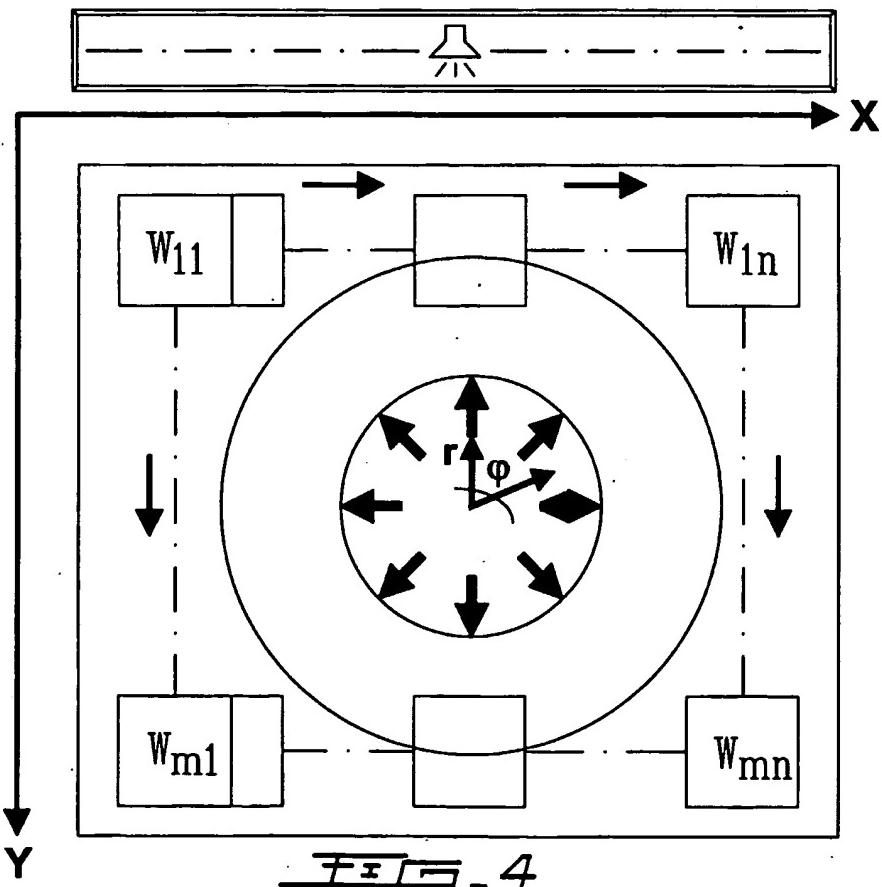
2/21

FIG. 2

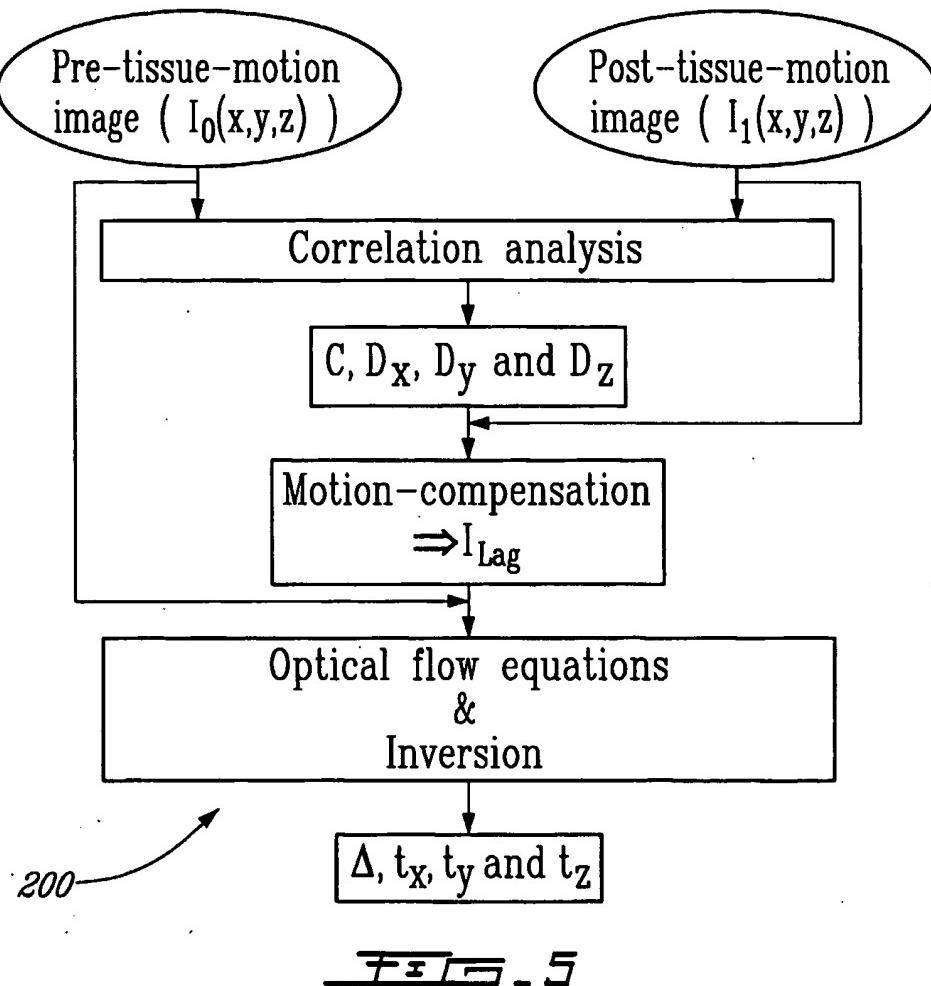
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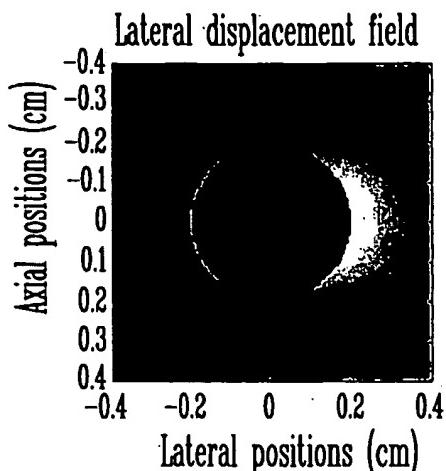
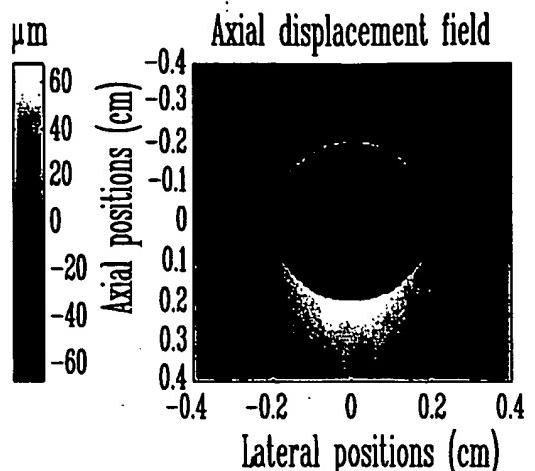
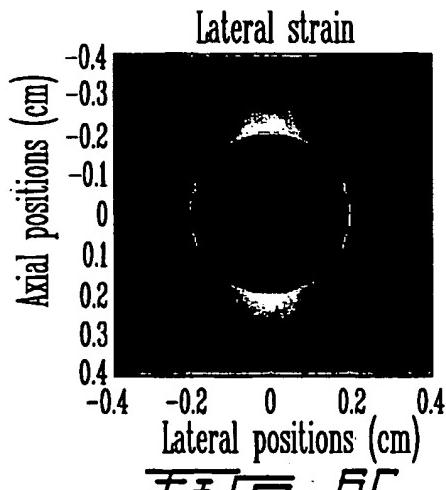
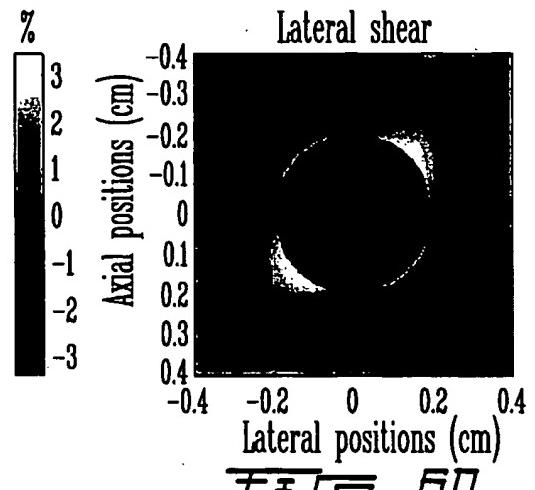
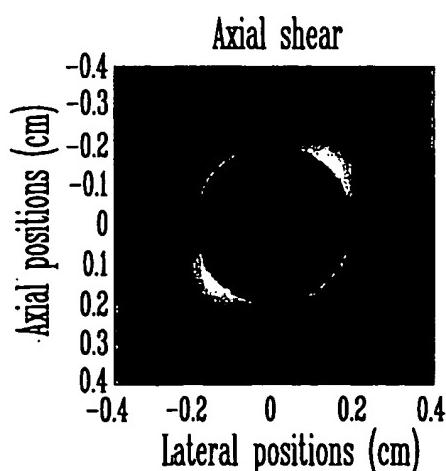
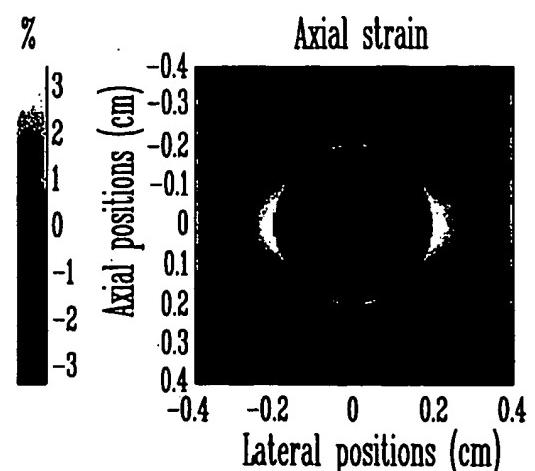
Transducer



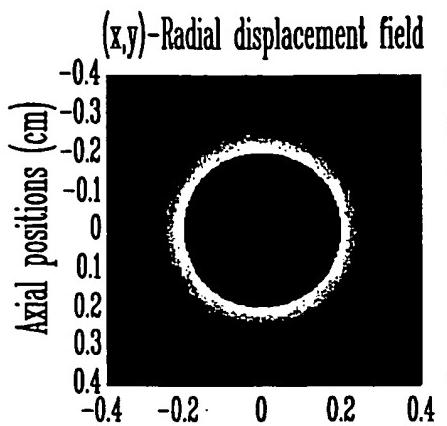
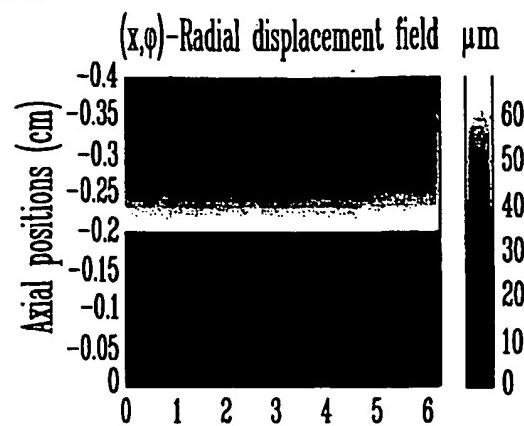
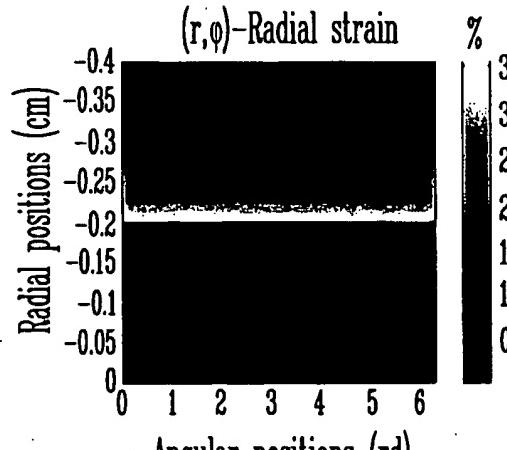
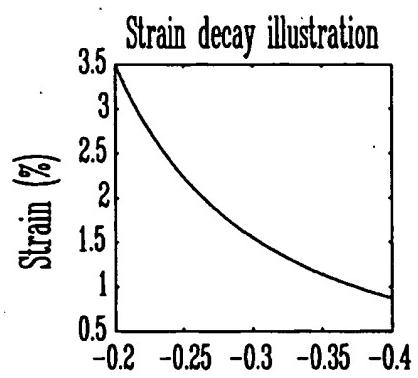
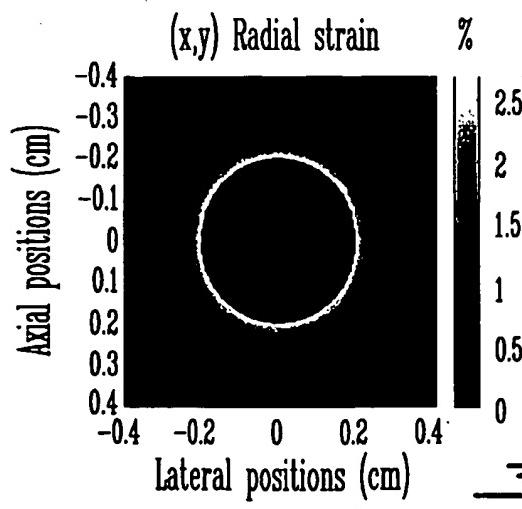
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FIG - 5

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FIG - 6AFIG - 6BFIG - 6CFIG - 6DFIG - 6EFIG - 6F

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FIG. 7AFIG. 7BFIG. 7CFIG. 7DFIG. 7E

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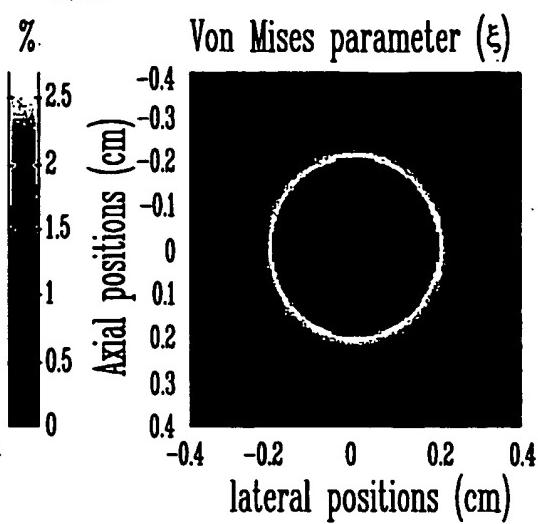
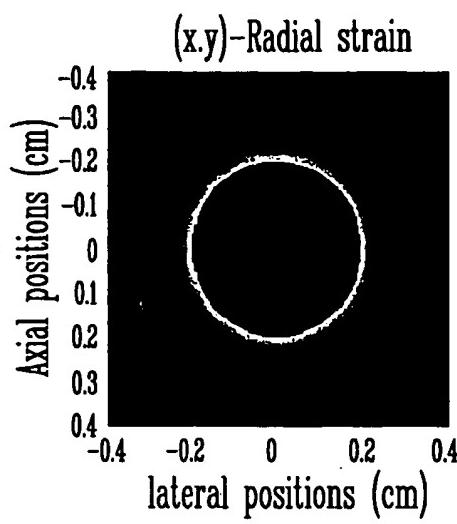


FIG. 7A

FIG. 7B

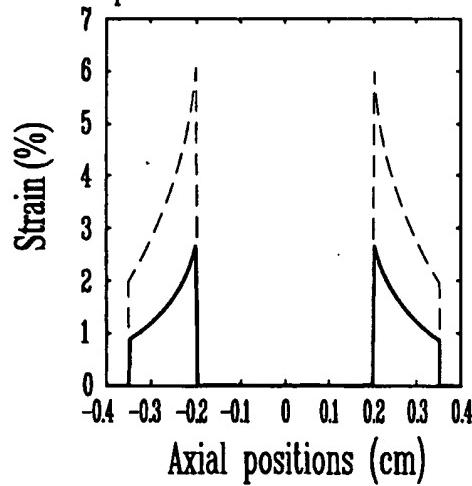
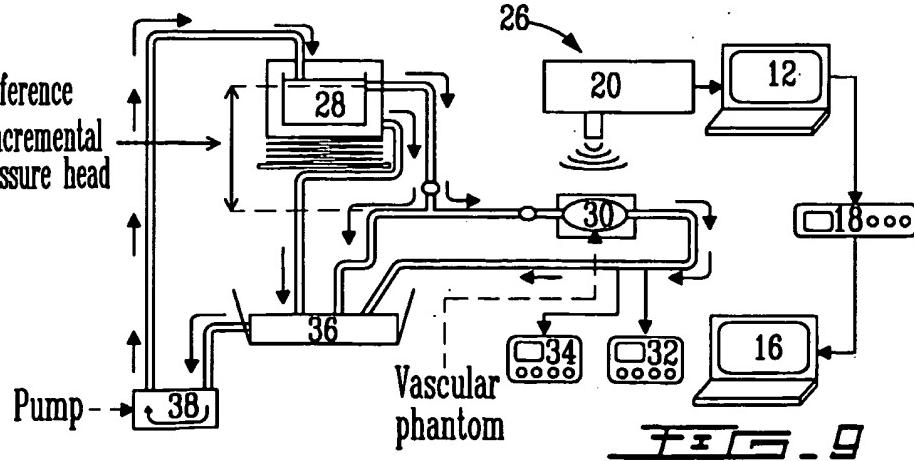
Comparison between radial strain and ξ 

FIG. 7C

Height difference
for the incremental
static pressure head



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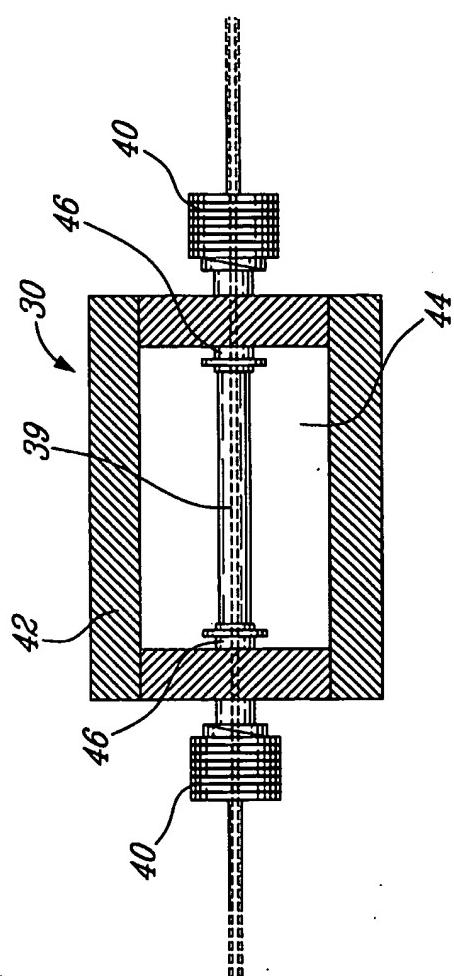


FIG - 10

First template



FIG - 11A

Second template

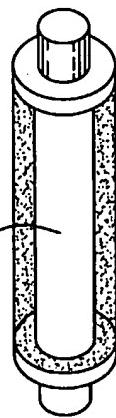
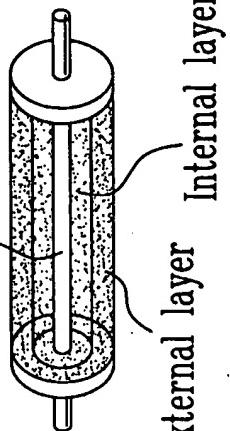


FIG - 11B

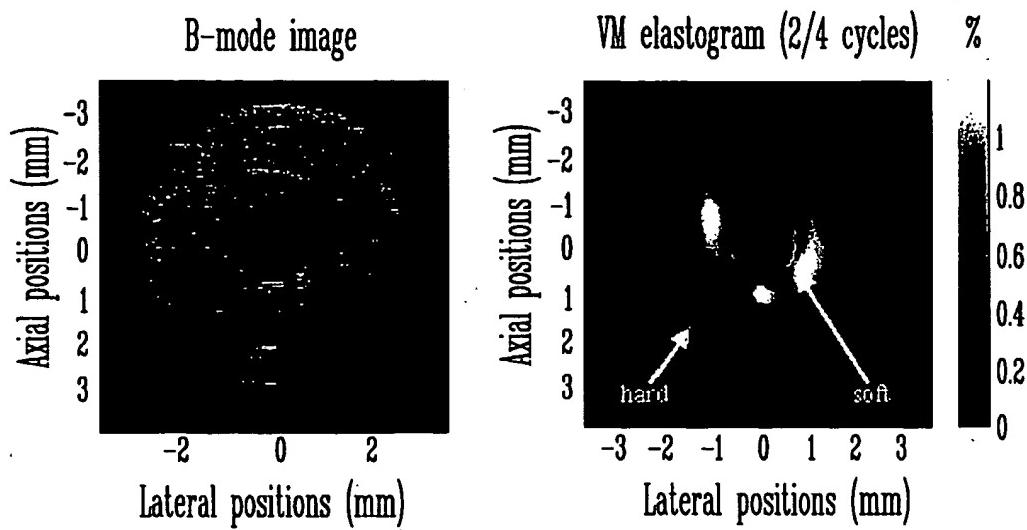
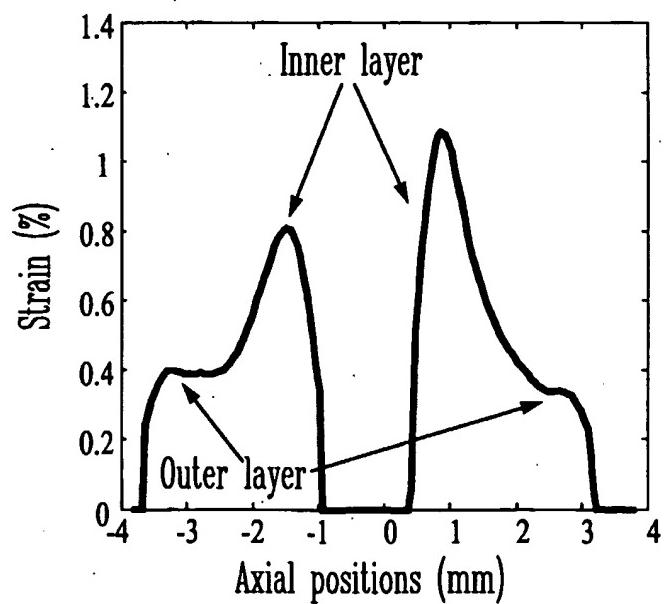
Third template



External layer Internal layer

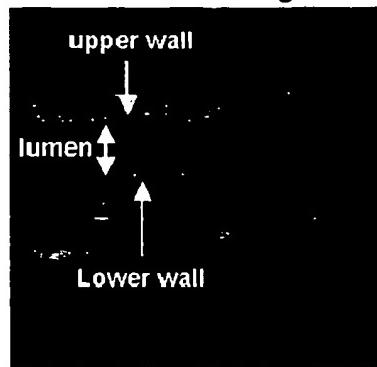
FIG - 11C

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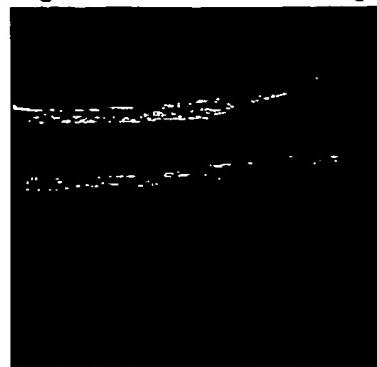
FIG. 12A (PRIOR ART)FIG. 12BFIG. 12C

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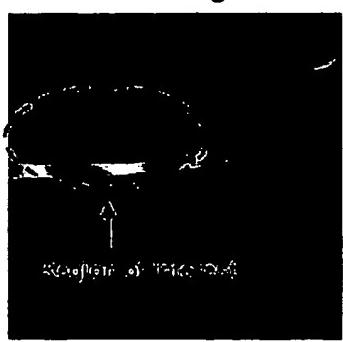
B-mode image



Segmented B-mode image

FIG. 13A (PRIOR ART)FIG. 13B

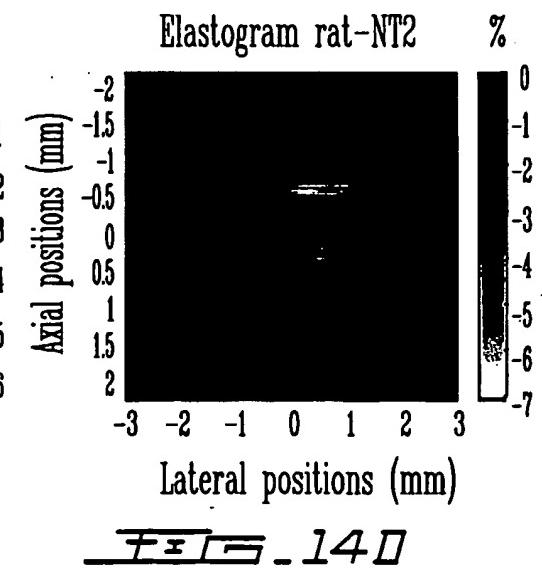
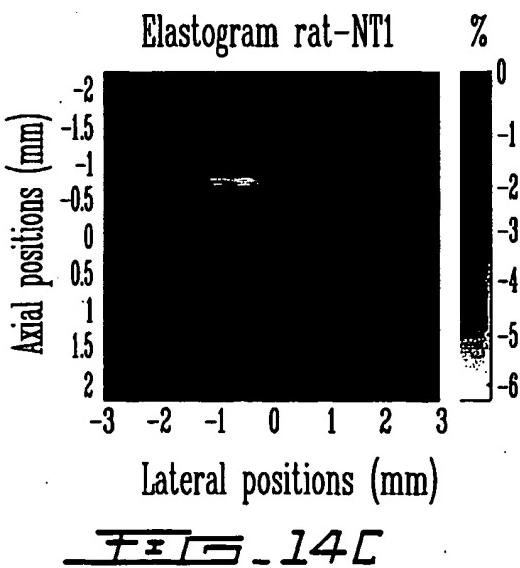
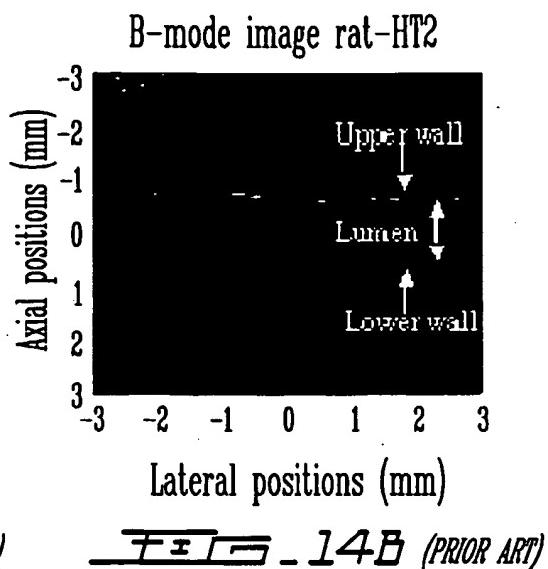
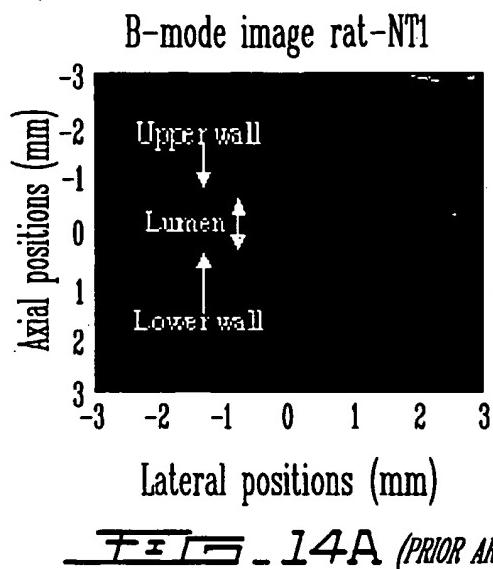
Elastogram



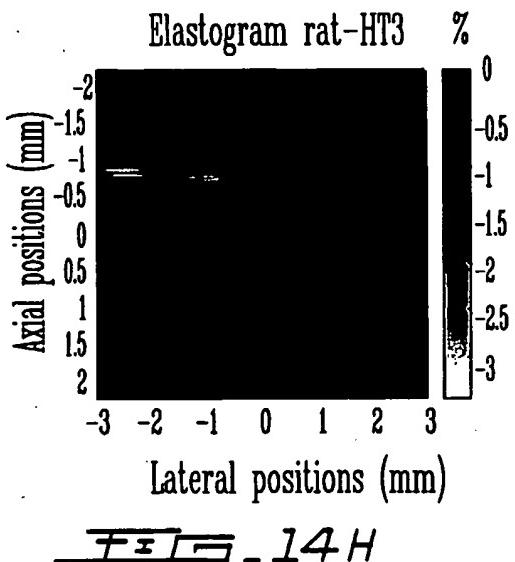
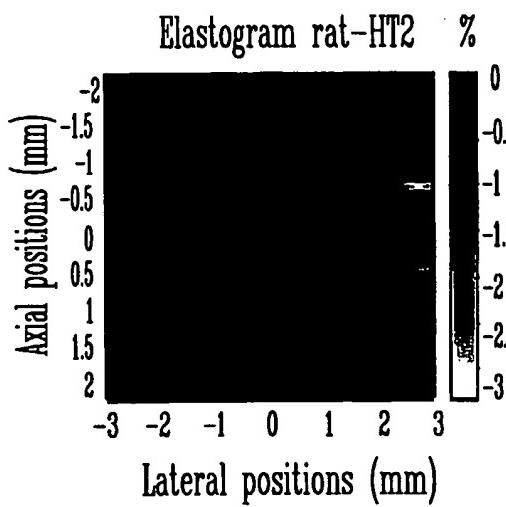
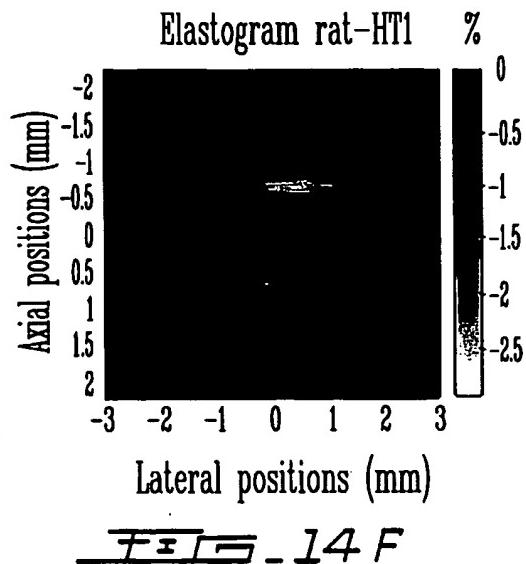
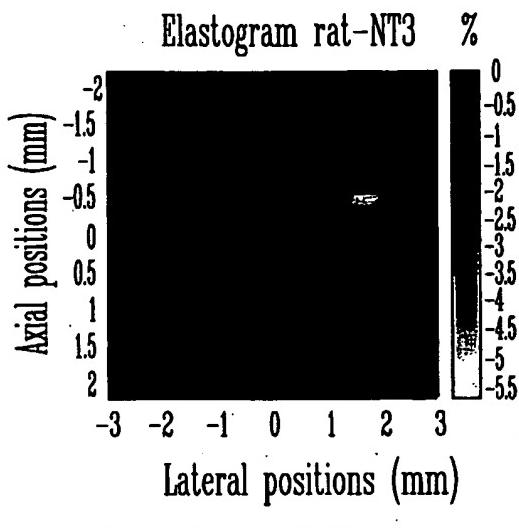
Elastogram

FIG. 13CFIG. 13D

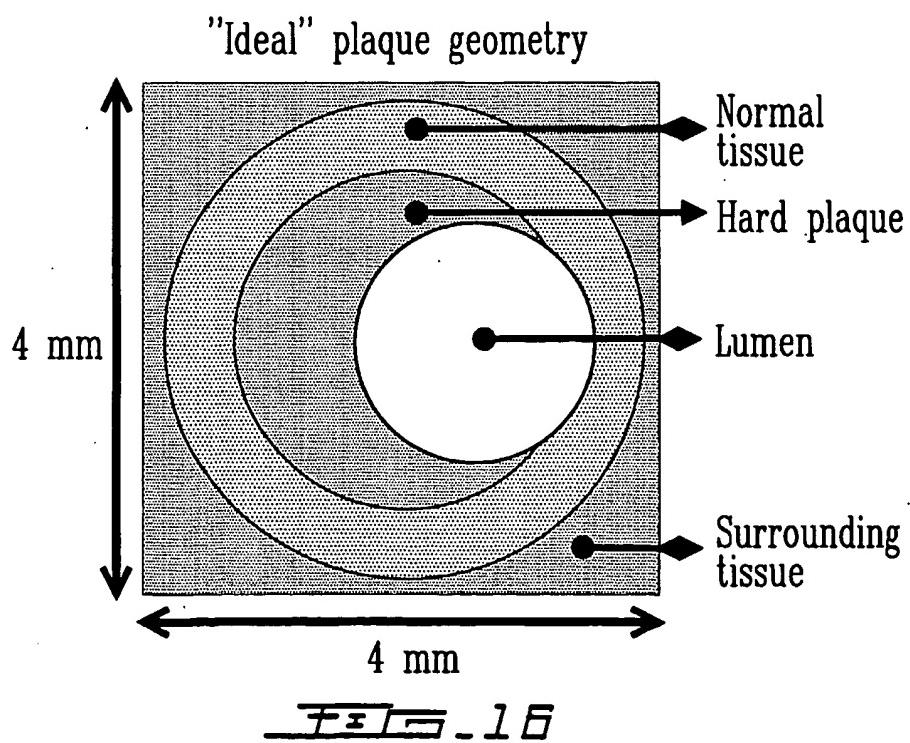
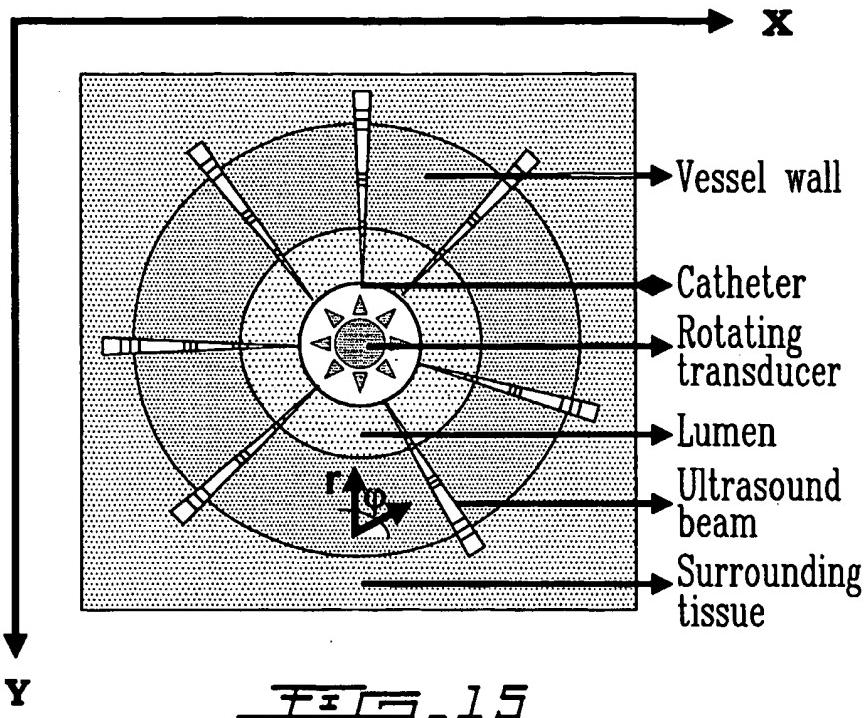
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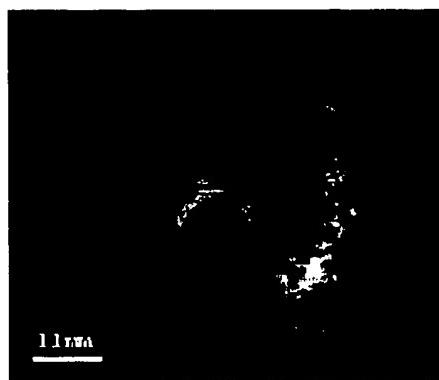


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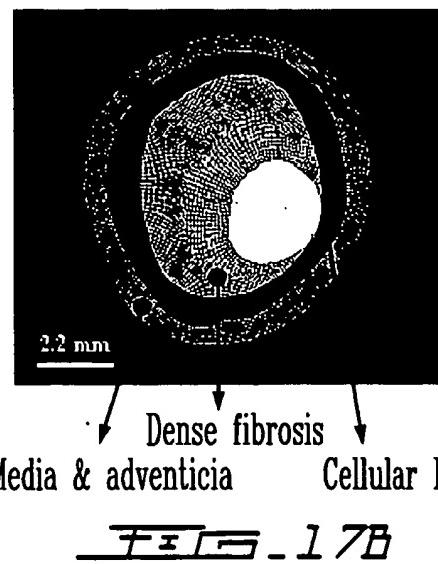


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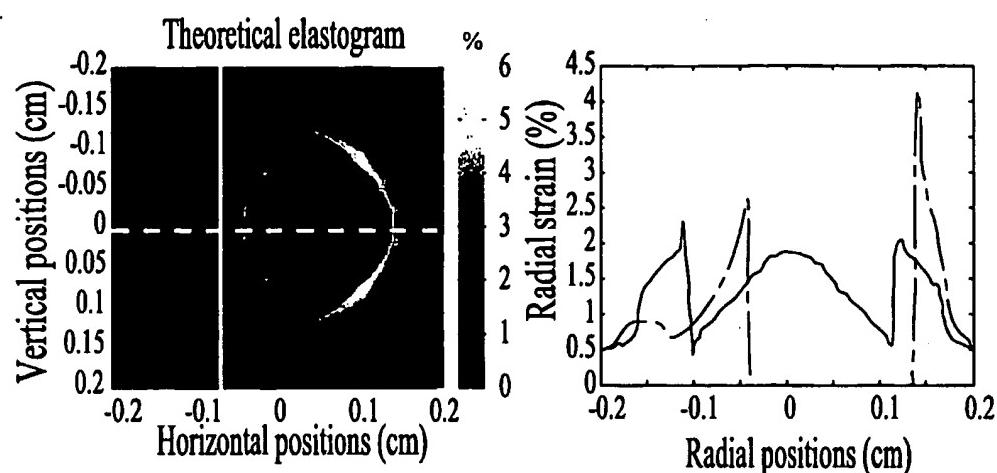
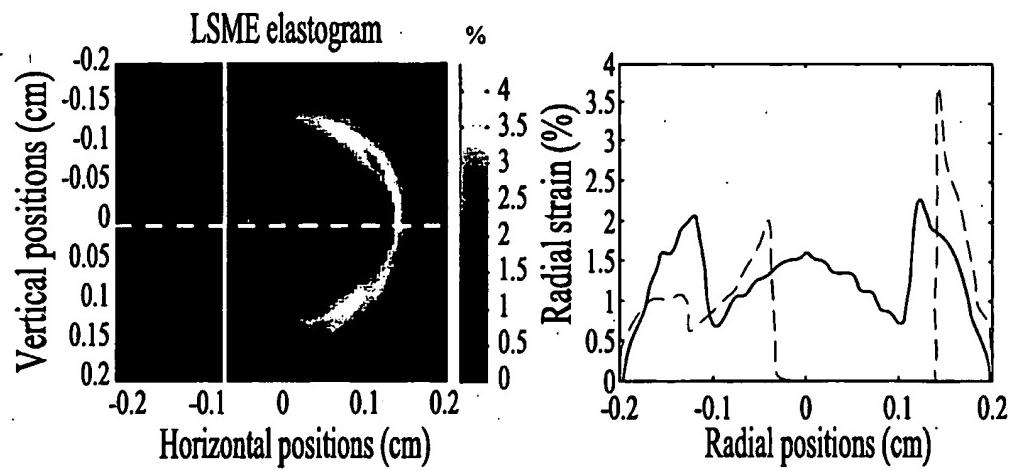
In vivo IVUS image

FIG - 17A (PRIOR ART)

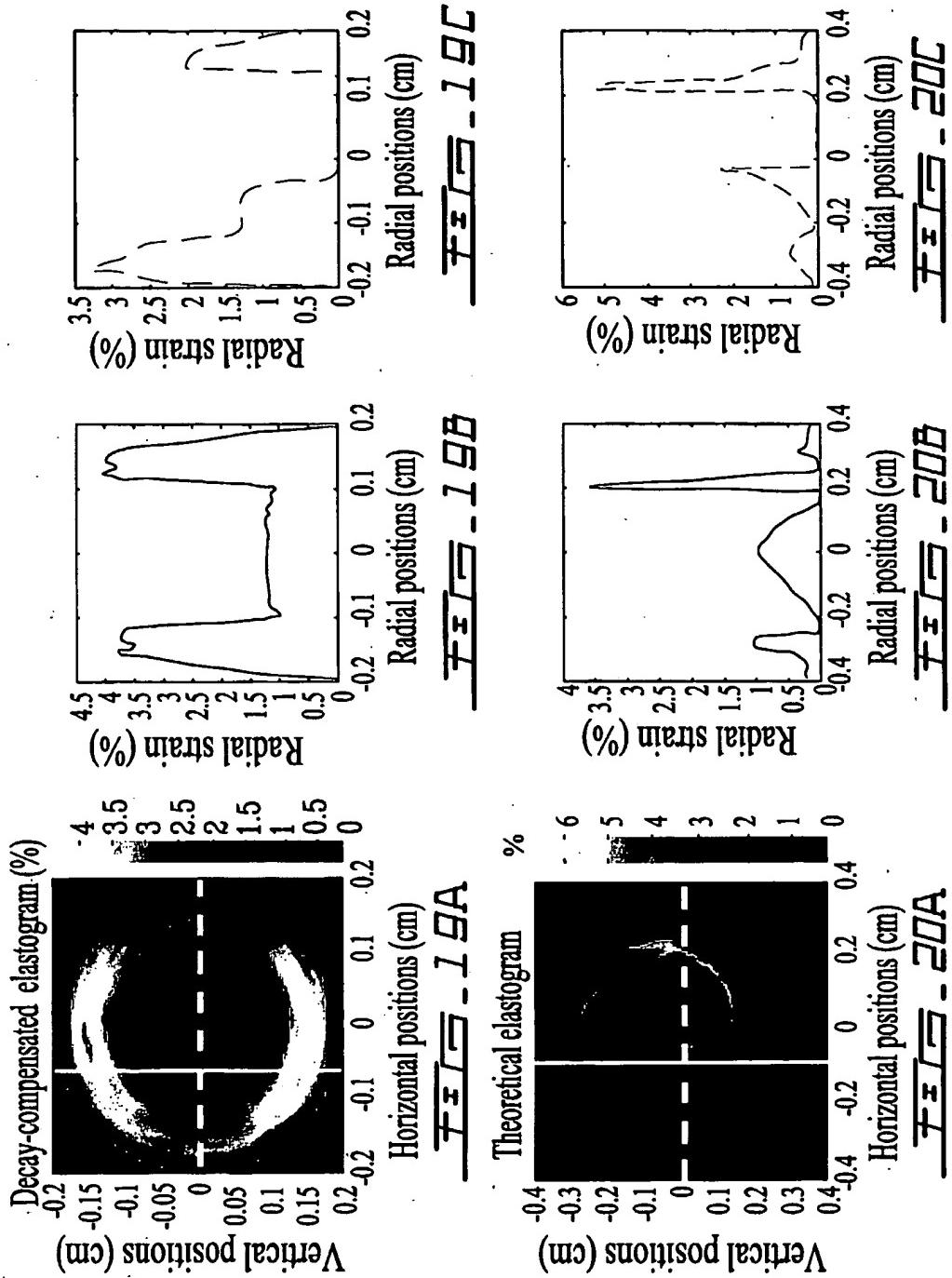
Cross-sectional vessel wall reconstruction

FIG - 17B

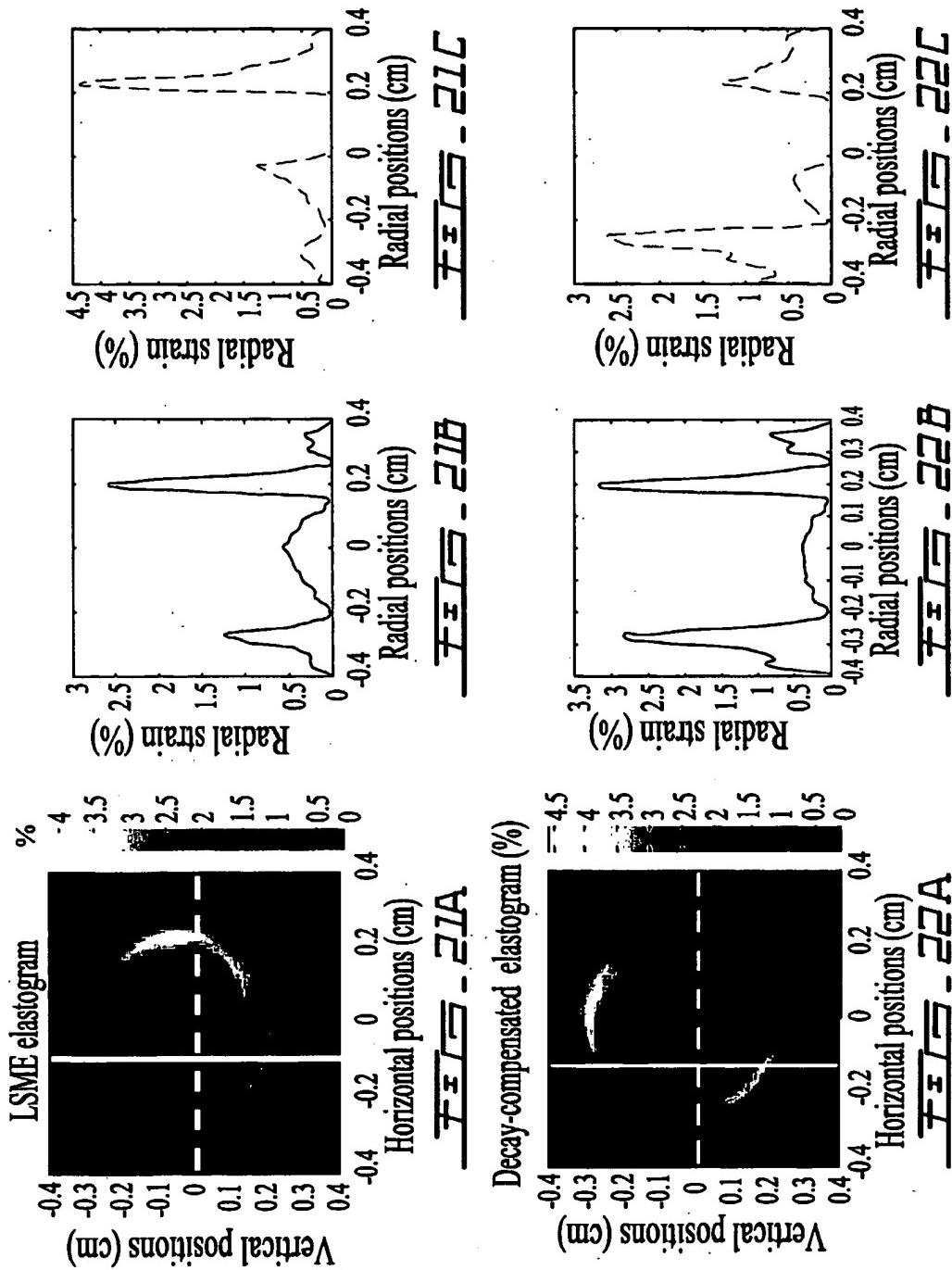
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FIG-18AFIG-18BFIG-18CFIG-18D

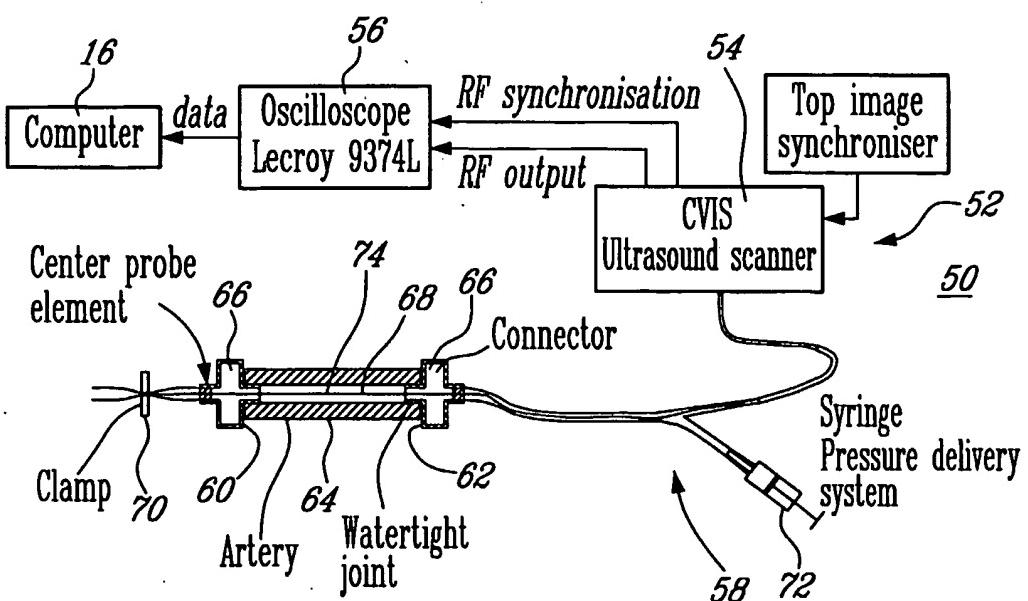
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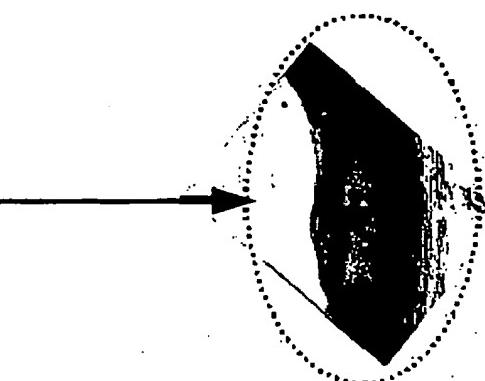
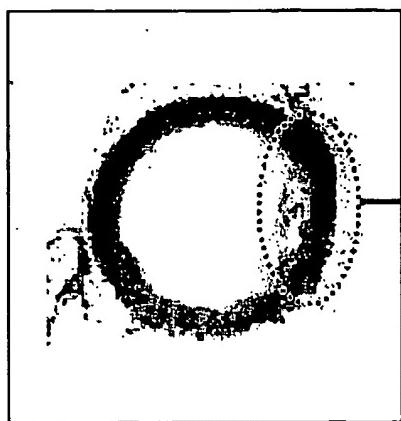
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F I G - 23

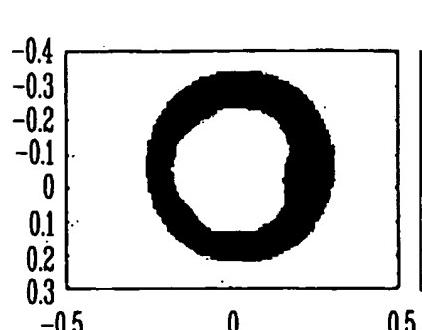
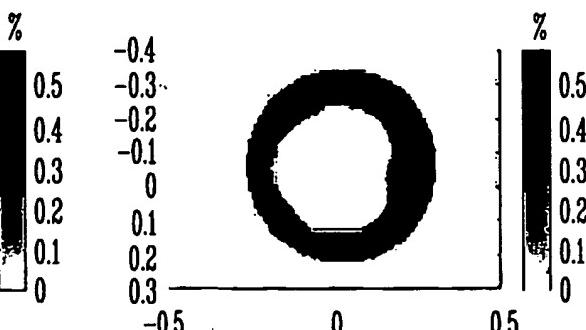
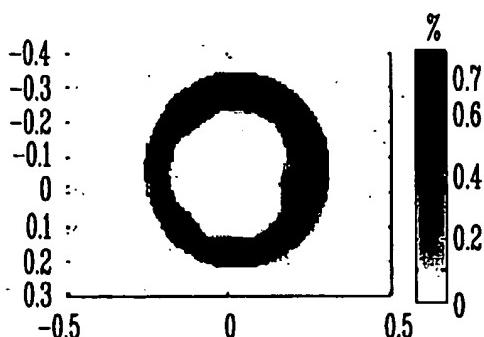
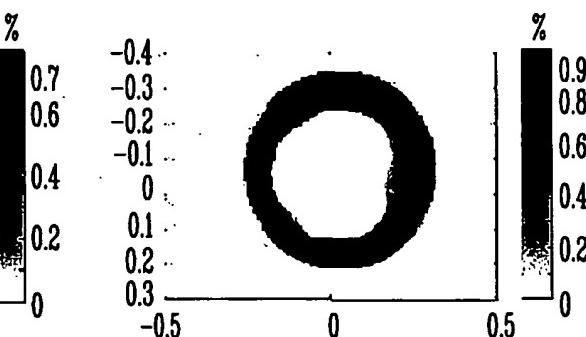
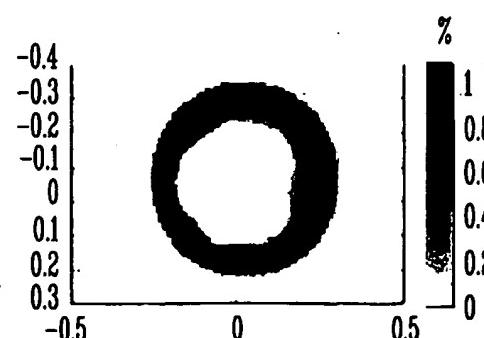
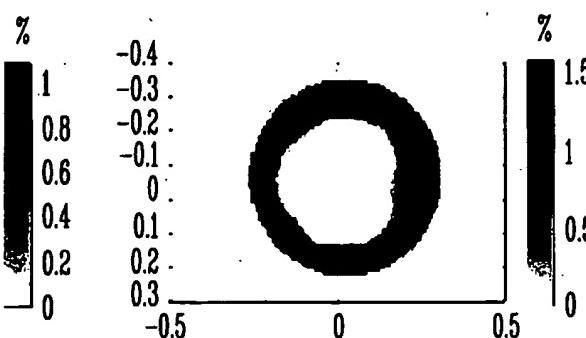
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HistologyFIG - 24 A (PRIOR ART)FIG - 24 B (PRIOR ART)

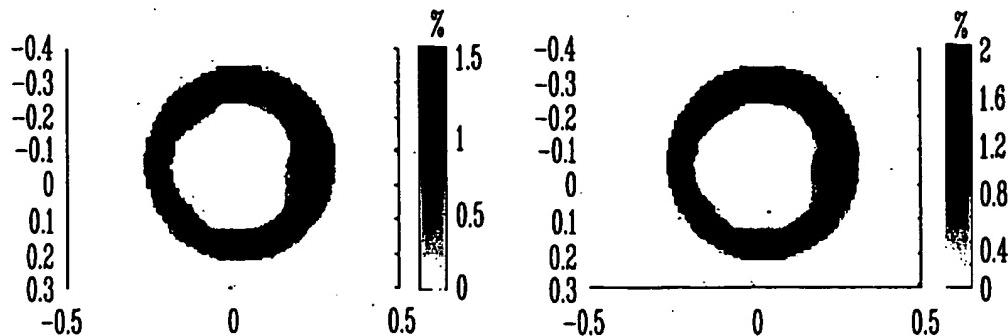
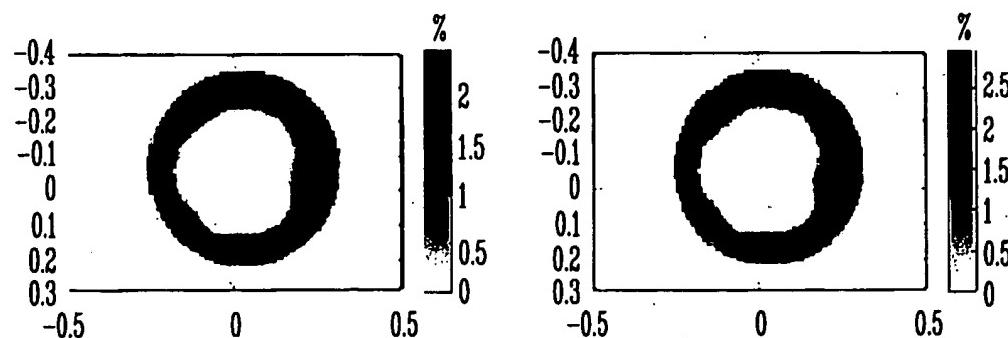
IVUS images

FIG - 24 C (PRIOR ART)

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FIG - 25AFIG - 25BFIG - 25CFIG - 25DFIG - 25EFIG - 25F

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FIG-25GFIG-25HFIG-25IFIG-25J

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